

Applicants copy

Appended B

ALIGNMENTS

RESULT 1
US-09-489-847-89

Sequence 89, Application US/09489847
Patent No. 6476195
GENERAL INFORMATION:
APPLICANT: Rosen et al
TITLE OF INVENTION: 98 Human Secreted Proteins
FILE REFERENCE: P2031P1
CURRENT APPLICATION NUMBER: US/09/489,847
EARLIER FILING DATE: 2000-01-24
EARLIER APPLICATION NUMBER: PCT/US99/17130
EARLIER FILING DATE: 1999-07-29
EARLIER APPLICATION NUMBER: 60/094,657
EARLIER FILING DATE: 1998-07-30
EARLIER APPLICATION NUMBER: 60/095,486
EARLIER FILING DATE: 1998-08-05
EARLIER APPLICATION NUMBER: 60/096,319
EARLIER FILING DATE: 1998-08-12
EARLIER APPLICATION NUMBER: 60/095,454
EARLIER FILING DATE: 1998-08-06
EARLIER APPLICATION NUMBER: 60/095,455
NUMBER OF SEQ ID NOS: 376
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 89
LENGTH: 1342
TYPE: DNA
ORGANISM: Homo sapiens
US-09-489-847-89

Query Match 98.0%; Score 1231.6; DB 4; Length 1342;
Best Local Similarity 99.6%; Pred. No. 4.3e-284;
Matches 1245; Conservative 0; Mismatches 4; Indels 1; Gaps 1;

8 GGGCGCGGGTAAAGGCGCATTTGATGCAAGCTGCGCGGCGCCCTCGGAGGCGCGCGAGCC 67
12 GGGCGCGGGTAAAGGCGCATTTGATGCAAGCTGCGCGGCGCCCTCGGAGGCGCGAGCC 70
68 AGAGCTGACCAAGCTTCT 127
71 AGAGCTGACCAAGCTTCT 130
128 GCGGAGGCGCATTTGATGCAAGCTGCGCGGCGCCCTCGGAGGCGCGAGCC 187
131 GCGGAGGCGCATTTGATGCAAGCTGCGCGGCGCCCTCGGAGGCGCGAGCC 190
188 GCTGCT 247
191 GCTGCT 250
248 GCGGAGGCGCATTTGATGCAAGCTGCGCGGCGCCCTCGGAGGCGCGAGCC 307
251 GCGGAGGCGCATTTGATGCAAGCTGCGCGGCGCCCTCGGAGGCGCGAGCC 310
308 AGAGCTGACCAAGCTTCT 367
311 AGAGCTGACCAAGCTTCT 370
368 AGAGCTGACCAAGCTTCT 427
371 AGAGCTGACCAAGCTTCT 430
428 GCTGCT 487
431 GCTGCT 490
488 CATAGATCTTGGGAAATTTGGGAGTGTACATTTACAAAGTGGTCAATTAAGTCTCT 547

491 CATAGATCTTGGGAAATTTGGGAGTGTACATTTACAAAGTGGTCAATTAAGTCTCT 550
548 AAGATTTTGTTCAGTGGCTCACTTGGCTAAATGACAGAAATGATGCTGTGAGGCTTG 607
551 AAGATTTTGTTCAGTGGCTCACTTGGCTAAATGACAGAAATGATGCTGTGAGGCTTG 610
608 GATTTACATTCATTAAGGAGCTGAATGTTGACAGACCTCTTCCCATGGAAGCTTAATTA 667
611 GATTTACATTCATTAAGGAGCTGAATGTTGACAGACCTCTTCCCATGGAAGCTTAATTA 670
668 TTGACCAAGAGGCGCTGAATGTTGACAGACCTCTTCCCATGGAAGCTTAATTA 727
671 TTGACCAAGAGGCGCTGAATGTTGACAGACCTCTTCCCATGGAAGCTTAATTA 730
728 GGAAGACTTTGTGAAGAAATGTTGCTGATTAAGTGAATGTTGCTGATGCTGATGCTGAT 787
731 GGAAGACTTTGTGAAGAAATGTTGCTGATTAAGTGAATGTTGCTGATGCTGATGCTGAT 790
788 TTGTCAGATTCACCAAAAGGAGATGCTCTCTGATGATGATGATGATGATGATGATGATGAT 847
791 TTGTCAGATTCACCAAAAGGAGATGCTCTCTGATGATGATGATGATGATGATGATGATGAT 850
848 TATGAGAACTACCAAAATTAATGCTTTAATTTTCAATTTGCTACCTCTTTTATTAAT 907
851 TATGAGAACTACCAAAATTAATGCTTTAATTTTCAATTTGCTACCTCTTTTATTAAT 910
908 GCTTGAATGTTCACTTAATGATCAATTTAATTAAGTTAATGATTAATGATTAATGATTAAT 967
911 GCTTGAATGTTCACTTAATGATCAATTTAATTAAGTTAATGATTAATGATTAATGATTAAT 970
968 AAGCAAGCTAAATATGTTTACAGCCAAAGTGTATTTACAGCTTTTAAATCTAGC 1027
971 AAGCAAGCTAAATATGTTTACAGCCAAAGTGTATTTACAGCTTTTAAATCTAGC 1030
1028 ATTATTCATTTTGTCTTCATCAAAAGTGTATTTTATTTTATTTTATTTTATTTTATTTTAT 1087
1031 ATTATTCATTTTGTCTTCATCAAAAGTGTATTTTATTTTATTTTATTTTATTTTATTTTAT 1090
1088 TTTCTTCAATGATCAATTTCTCAACCTAATTAATTTGAAATTTGTTGTTT 1147
1091 TTTCTTCAATGATCAATTTCTCAACCTAATTAATTTGAAATTTGTTGTTT 1150
1148 TTTCTTCAATGATCAATTTCTCAACCTAATTAATTTGAAATTTGTTGTTT 1207
1151 TTTCTTCAATGATCAATTTCTCAACCTAATTAATTTGAAATTTGTTGTTT 1210
1208 AATGTTAAGATTTTATTTATCTGTAAATTAATTAATTTTCCACA 1257
1211 AATGTTAAGATTTTATTTATCTGTAAATTAATTAATTTTCCACA 1260

RESULT 2
US-09-489-847-124

Sequence 124, Application US/09489847
Patent No. 6476195
GENERAL INFORMATION:
APPLICANT: Rosen et al
TITLE OF INVENTION: 98 Human Secreted Proteins
FILE REFERENCE: P2031P1
CURRENT APPLICATION NUMBER: US/09/489,847
CURRENT FILING DATE: 2000-01-24
EARLIER APPLICATION NUMBER: PCT/US99/17130
EARLIER FILING DATE: 1999-07-29
EARLIER APPLICATION NUMBER: 60/094,657
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EARLIER FILING DATE: 1998-08-12
EARLIER APPLICATION NUMBER: 60/095,454
EARLIER FILING DATE: 1998-08-06
EARLIER APPLICATION NUMBER: 60/095,455
EARLIER FILING DATE: 1998-08-06

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Appendix A

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OY 21 LeuleugIntLeuProAlaProSerSerAlaSerGlnIleProlygGlyLysGlnIlytAla 40
Dd 61 CTGCCTCAACCTCCCGGCCCTCGAACGCTCTGAATCCCCAAGGGAGAACAAGGCG 120	

[illegible]

RESULT 3					
AR454024					
LOCUS	AR454024	837 bp	DNA	linear	PAT 20-FEB-200
DEFINITION	Sequence	512	from patent	US 6680197.	
ACCESSION	AR454024				
VERSION	AR454024.1	GI:42686814			

Score:	1301.00	Matches:	243
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	6	Gaps:	0

US-10-063-734-122 (1-243) X AR454024 (1-837

QY	1	MetArgProGlnGlyProAlaAlaSerProGlnArgGluArgGlyLeuLeuLeuLeu	20
Db	106	ARGGACCCCAAGGGCCCGCCGCTCCCGCAGGGCTCGGGCTCTCGCTCTG	165
QY	21	LeuLeuGlnLeuProAlaProSerSerAlaSerGluLeuProGlyGlyGlnVala	40
Db	166	CTGGCTGACGCTGCCCGGCCCGCTGAGCGGCTTGAGATCCCAAGGGGAAAGCAAGCGC	222
QY	41	GlnLeuArgGlnArgGluValaIlePheLeuTyraGlnMetCysLeuGlnGlyProAla	60
Db	226	CAGCTCCCGCAGAGGAGAGGTGGTGAACCTGTATATGGAATGTGCTTACCAAGGGCCACGA	285
QY	61	GlyValAlaProGlnArgArgPheGlySerProGlnAlaAlanValIleProGlyThrProGlyIle	80
Db	286	GGAGTGCTGGTCCAGACGGAGGCCCTGGGGCAATGTATATCCGGGTACACCTGGGATC	345
QY	81	ProGlnArgArgPheGlyPheLeuGlyGlnValuGlyGlnCysLeuArgGlnSerPheGlnGlu	100
Db	346	CCAGGTGGGATGGAATTCAAGAGGAAAAAGGGGGAATGCTGAGGGAAAGCTTTGAGGAG	405
QY	101	SerTrpThrProAlaThrTyrLeuGlnCysSerTrpSerSerLeuAlaThrIleAlaPheLeu	120
Db	406	TCTGGACACCAACTACAGCAGATGTTCAATGAGTTCAATTGAATTATGACATAGATCTT	465
QY	121	GlyIleValIleAlaGlnCysThrPheThrTyrMetArgSerArgSerAlaLeuArgValIleu	140
Db	466	GGGAAAAATGGCGAGTGTACATTTCACAAAGATCGTTCAAAATAGTCTCTAAGAGTTTG	525
QY	141	PheSerGlySerLeuArgLeuLysCysArgAlaAlaCysCysGlnArgTrpTyrPheThr	160
Db	526	TTCAATGGCTCACTTCGGCTAAATAGCAAAATGATGATGCTGCAGGCTTGATTTTACA	585
QY	161	PheAlaGlnValaGlnCysSerGlyProLeuProIleGluAlaIleIleTyrLeuAlaGln	180
Db	586	TTCAATGAGGTGAATGTTCAGGACCTCTTCCCATTAAGCATATATTAATTATGGACCA	645
QY	181	GlySerProGlnMetAsnSerThrIleAlaThrIleAlaGlyThrSerSerValGluGlyLeu	200
Db	646	GGAGGCCCTGAATGAATTCACAAATTATATTCATCGCACTTCTCTGTGAGGACCTT	705
QY	201	CysGlnGlyIleGlyAlaGlyLeuValaAlaIleTrpValGlyThrCysSerAsp	220
Db	706	TGTAAAGGAATGGATGCTGATGTGATGTGTATCTGGGTGGCACTTGTTCAAT	765
QY	221	TyrProLysGlyAlaPheAlaSerThrGlyTrpAsnSerValSerArgIleIleIleGluGlu	240
Db	766	TACCAAAAGAGATGCTTCTTACATGAGATGAATCAATTCATTCGATCATTAATTGAAGAA	825
QY	241	LeuProLys 243	
Db	826	CTACCAAAA 834	

AUTHORS	Jiang, Y., Dillon, D. C., Micham, J. L., Xu, J., Harlocker, S. L., Hepler, W. T. and Henderson, R. A.
TITLE	Compositions and methods for the therapy and diagnosis of breast cancer
JOURNAL	Patent: US 6680197-A 512 20-JAN-2004;
FEATURES	Location/Qualifiers
Source	1 - 817

ORIGIN	5.46e-96	Length: 83
Alignment Scores:		
Pred. No.:		

